



# GALLAUDET UNIVERSITY

## Customer case study

*HID and ViVOtech deliver an end-to-end solution for secure and convenient access control and cashless transactions at merchants as well as vending machines inside campuses without major changes to existing infrastructure.*

- **HIGH SECURITY:** With the use of highly-secure HID proximity badges and ViVOtech readers for payments, students don't need to carry cash or credit cards.
- **EASY IMPLEMENTATION:** ViVOtech's plug-and-play technology allows for quick and easy implementation of the system at merchant sites at just a fraction of the cost of a new POS terminal - no changes to the existing POS or cash register are required.
- **QUICK PROXIMITY PAYMENTS:** Fast line-throughput increases merchant efficiency-operators gain speedy checkout at peak hours (e.g. Cafeteria lunch hour).
- **SCALE AND UPGRADE:** Value-added proximity applications can be built upon the existing installed infrastructure to deliver additional programs and services for the student population.



## End-to-end Campus Solution for Secure and Convenient Access Control and Cashless Transactions

Gallaudet University is the world's only university offering exemplary educational programs to deaf and hard of hearing students at all learning levels. Their programs span from serving infants and their parents and continue through middle and high school. Bachelor degrees are offered and undergraduate students also have the option of designing their own majors through a self-directed study program. Additionally, graduate programs and doctoral degrees are offered in a variety of fields involving professional service provision to deaf and hard of hearing people. The school was founded in 1864 by an Act of Congress and its charter was signed by President Abraham Lincoln.

Even though Gallaudet was founded over one hundred and forty years ago, it maintains a strong commitment for using technology in its academic programs and services. More than 70 percent of students each semester take one or more courses enhanced by Gallaudet's online learning system. Each new student attends a technology orientation during their first year where they learn how to use Gallaudet's online learning system and other technology offerings.

Because of Gallaudet's commitment to implement innovative technology that makes the student's life easier, they were pleased to learn that their existing student access control HID proximity cards could be used to support various new applications within the university through deployment of a cashless payment system from ViVOtech. As new students enroll, they continue to be issued HID proximity cards as part of the enrollment process. This card has now become a multi-purpose card that simplifies the life of the students while providing security and value-added applications. Each semester, a prepaid amount of money is logged into a database that is matched with the student's card. The funds are deducted each time purchases are made at ViVOtech readers utilizing HID's embedded proximity reader technology installed at various point-of-sale (POS) systems throughout the campus.



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**HID CORPORATION  
AMERICAS &  
HEADQUARTERS**  
9292 Jeronimo Road  
Irvine, CA 92618-1905  
Tel: (800) 237-7769  
Tel: +1 (949) 598-1600  
Fax: +1 (949) 598-1690

**HID CORPORATION  
ASIA PACIFIC**  
19/F 625 King's Road  
North Point, Island East  
Hong Kong  
Tel: (852) 2530-9907  
Fax: (852) 2530-9975

**HID CORPORATION, LTD  
EUROPE, MIDDLE EAST, AND  
AFRICA**  
Homefield Road  
Haverhill, Suffolk  
CB9 8QP England  
Tel: +44 (0) 1440 714 850  
Fax: +44 (0) 1440 714 840

By enabling cashless payment as well as access control, the ViVOtech-HID solution transforms the proximity cards into multi-purpose cards. These multi-purpose cards can be utilized during the student's yearly registration avoiding a previously cumbersome registration process and to purchase books in the bookstore eliminating the need to carry cash or credit cards. The card is also used to gain secure access to their dorm room, for purchases through ViVOtech readers at special events for quick ticket and food items, and at the cafeteria where line throughput at peak meal hours is greatly increased with fast proximity payments. This program also helps to safely manage many of the student's unique dietary requirements by storing meal plan data as part of their student record.

One of the challenges encountered during the project was gaining high-level acceptance from the various, separate food service and facility groups. These groups were resistant to the idea of replacing their existing magnetic stripe POS systems with terminals that could accept proximity payments. Once these groups learned how simply ViVOtech readers could be installed in just minutes at any existing POS system to enable proximity payments, there was a unanimous nod for the application with special regard for what the solution provided to their most valuable asset – their students.

In addition to providing security and ease-of-use to its students, Gallaudet was able to reduce spending data processing resources because of the seamless integration of sharing student and faculty data across platforms. "Using VIVOftech's contactless readers and HID's proximity cards have saved the University a tremendous amount of time and labor through eliminating the need to individually program each student's ID with a magnetic stripe," said Gary Aller, Gallaudet's executive director, Business and Support Services. "We were able to use the University's Simplex remote door opening system and a simple download of student names from that system to provide the database for our food service computer. The system was also easily expanded to include faculty and staff at a later date. I have been very pleased with the efficiency and reliability of ViVOtech readers and HID cards."

